TECHNICAL DEPT

The Oldest American Aeronautical Magazine

NOVEMBER 7, 1927

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Special Features

San Francisco Airport Conducting a Flying School Fuel Tests on Fairchild Cam Engine

AVIATION PUBLISHING CORPORATION

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NUMBER 19

UBLIC



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advanced type - new beauty greater value



Write for full information and becature.

Suraber 7, 2927

Wash & Hornet Leadership

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AVIATION

The valve may and push rod assemblies are completely molecul but readily accessible for adjustment. The location of all the appropries at the year permits these units to be endoed within the cowl of the simplane. Thus all moving parts of "Waso" and "Hornes" engines are entirely protected from det as well as the elements, adding greatly to the life and depends believe of the engine. At the same time the front of the manne in left free and clean for the most effective cowline.

The Wasp at 1900 R.P.M Weate 650 lbs

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TYPE RYAN-SIEMENS AIR I PLANE ENGINE FILLS AN MERCIAL AVIATION by provid ing 5, 7 and 9 Cylinder Radial Air cooled Engines light in weathr and developing 70, 100 and 125 H. P. These engines (known to Europe as the

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From New York to Spokane, these ships were fueled and lubricated with Stanolind Aviation Gasoline

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THE NATIONAL GUARD UP-TO-DATE



Time was when the National Guard was considered more or less as a "home-town cutfit." Not particularly well comment. chiefly of value perhaps in local emergencies strikes more Then come the World War - and those some National Goard

ment, blossemed overnight into first-class fighting units - writing their history on the battle fields of France in elegious fashion Today the National Guard, efficiently organized, well trained. recognly equipped, is an extremely important part of our scheme

of national defense. And like all units date military propositations. Deliveries are now being made on a quantity order of Curtan

O-11 "Fulcons", built for exclusive use of the National Guard. The "Talcon" is the machine which is being supplied in large quantities as

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AND MOTOR CO., Inc. Garden City and Buffelo, N. Y.



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A SPECIAL convertable type, using the Wright Whishead engine, designed to provide the following: complete shall con-A tool for training and practice fixing, passenger carrying, coats of every nor, cross-country fixing (with remarkable edge of an in and out of small fields), common arcatics both foad and fixable, observation missions with radio. These resident may be had rather as a leadplace or as a single field respine. Coulput are very recent and sendertable, with a his birrar connectors. Contab and ministrates in both revisits are as arranged that other one be made asiar obser-THE CONSOLIDATED COURSER is a provint developed acplane. It is fast, very strengthy and it embedde the west forcess which have combined its producences, the CONSOLIDATED TRUSTY and CONSOLIDATED HUSKY. to build such an augmentated record for safety and dorability in long service by the Army Air Come and the Naval As Server in teaming operations CONSCLIDATED TRUSTY, HUNKY and COURIER parts are practically





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SAN DIEGO, CALIFORNIA





THE above unsolitated letter from Frank A Plyna, supern-tenders of the San Francisco Airport, was written a Ly mostly after the mghr schedule started Detailed information on the illumnation usualization of this airport will be sent upon sequest

THE SPERRY GYROSCOPE COMPANY TOKYO TOKYO

The Colone Assortions Aeronomical Magazine
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The Loening OL-8 Amphibian

Powered With Pratt & Whitney "Wasp" 425 hp. Engine

Equipped With

SCINTILLA Aircraft Magnetos



SCINTILLA MAGNETO COMPANY SIDNEY, NEW YORK Contractors to the U. S. Army and Navy

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Non-stop flight in a Waco 10 on 85 gallons of gas is only ope indication of company obtained with

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NOVEMBER 7, 1927

Teach Them to Spin A LTHOUGH THE modern commercial plane which I would far student instruction in of a design seed waterstoon that makes it well each fact record in the

SI XXEE

to the neurolative of the greenborn colo relet seizeries to the floor. Not so work from the standpoint of the one being so rigged that if wen't come eat of a spin having the way when seemd in training was the prime sin hours on the air. And it was only through shoon But you the Hers of speed in getting the student or not now the Hart or speed in groung the ittoors or

your how to control a soin before they send there into the air close. The motority of student allots are vow a some cases additional instruction has to be given at the company is expense anch inverses a spalent a washed on plane and prapil is well worth the effort and cort-

Looking Ahead

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Cates wan. When the Italian Air Popus detraine to win the trophy, it assessed against the of a lat a experimental found has brought to England.

still further add to the speed possibilities of racing sireraft. As this is the first othersed made by Great serves effect mounts the persons outbrown that has at Applicance The Asserting Corp. was defineded by to partiripate an effort should be made to raise a feed The solesalid effort made by Lieut "Al" Williams

Every English cartificant expressed the hore that

should not be furgetten. He should be preserved to bring his olars up to a mend if nonthis to make it a nonthifter in west year's rootest. Other about should be constructed, for the possibilities of speed of alreraft berroom. The winner of the race at Versica, Flight physically. The gual of five pulses a minute has been

Passenger Log Cards

NE FORM of nevelty advertising new below see. These records are in the form of small pocket earth

are even designed so that several flights era be recorded The value of this idea as research the nominitation of reneal outronion is self evident, and as an additional inscentive it might prove of considerable worth to make of house of fulue time over a recticular line have been

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never shows in Fig. 2 has 10,000 to, 61 of floor langure. The new hongars will be added as factshas at it for resistance a ward of the Bay front on that the Bill is be widered when procurary and a scaplane barbon



Honger No. 2, should the Sperry St. revolving become, wind over and ficedlight smile estimates have shapper, in manufed on a platform on ten Two Science 10" High Teterative Ave Possificht Dorb. form the accommany landing field environment. (For 21).

colong light. A celling tight is of great suportizate when The beam of the Source Floodbatt Unit with the door fidded bank in \$5,000,000 on. In shakin have smaller on when there are lew bacquing clouds, and a plane is expected. Showing its powerful 35,000,000 sp. spot on the clouds, which may help the pilot find the field, probably saving valuable life and unspecty. Within a few records, the door may be again put into position and the light turned back into a fixed light soft. With these types of floodight mate, the safety factor of tight landings is highly increased. The motor



presented for operating these two mosts is a Westinghouse 16 K.W. Two OSSN concenter and is located in the motor presenter home which = 12 ft. x 12 ft. (Per. 2) There are 32 burder lights, spaced 390 ft. spart. They with multiple sockets. The border lights have clear class erator, overlapping, the field is (Examinated into a 169 dep. for of light. The lights may be trained along the payways glober that are placed on the key of such of the 18 idapraph. The count lans four on other foodfield may be folded unles assertabling the field. There are an chatache on the



Mills Field, Which is Municipally Owned, is Rated as One of the Best Illuminated Airports in the World

By C. D. JOBSON

Managedition have larged behind, and possibly there are many much summer why they have. It is only difficult for a form descreen much could for actually nations its airport shaddle that you althor association or absociar airports.

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Fig. 1. May drawing of Mills Field, municipal serport of Sta Francisco

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Four Models of Chanute Plane
Discovered in Chicago Museum
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Conducting a Flying School

By WILLIS PAR

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Henders of the waveney Schnesder Prephy from with the Strophy at a Louden banquet, gaves recently by the dec did Left to reght, Flight Louden, & N. Welkster, the session, Flight M Kintend, Squadron Londor L H. Statter, Fig.

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Novel Method of Paying

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First Flight Most Discouraging and release the cockregor got of an experty confident student

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A RECENT seasonalestes from the Comme-Rose Arrendy with a crastal of \$290,000. A new factory building, with

Cooms-Ross in Production 99,000 ft. of floor space, is now under occurrences and the

desire to two as agreene. The tells are given over General

Electric station EOA on Pitchay evenings from 6 to 6:30



The Commo-Roce memories were so productors at the World of life sup h with a lander speed of 45 m.p.h. almining to

New LL.A. Trophy Award A NEW venture is needed competition in about to be insurched

The aviators of each country will compete for the honor metal, as well as the Learne's "Contiferto of Roccor". Each National Winner will become automatically a candidate fee next syring the same of the "world's champless" for the pre-

The "Flamingo" Biplane

German Training and Stunting Airplane is Powered With a Siemens-Halske Engine

FIRSHE TRAINING and start plans "Flamm



scenario two locs spars with plus wells and pla (annel press). (Man Enable has her plane provided red.) The well of the

News r 7, 1927

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note that of the "Florence" bishes

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Bronze Trophy Will be Awarded Yearly to Leading Woman Flier

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Air Marker Beacons Tested

TIME FLIGHTS have assured the six marker become at Breezek is also being conducted on the radio directive

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American Eagle Production

Output Has Been More Than Doubled Since Last Spring and Further Increase is Planned

DESCRIPTION OF the Assertant Engle Asserts Gero.

Pleas o Two Stones Blash



A section of the seine fleehing department

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Seember 2, 1922





Record a student was made with a New York onspect

Another contract was secured from the Edwar Tubia Monor

Mail Contract Bids Invited

and return. Distance each way approximately 505 as-



Side one of the Economy "Prosp" (Weight Whistened)

The Keystone "Pronto"

K-55 to be Used on Peruvian Airline and Will be Equipped With Landing Gear and Pontoons

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AVIATION

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Daily Sales of United Cigar Flying Store Averaged \$200

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Another boso to business, and aviation as well, was when

The following effice were valued by the whose on the treat

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Flights Made in Waco 10 to Determine Engine Endurance Possibilities

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Facts and Figures on Colonel Lindbersh's Tour of the Nation

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Sunday of same print, dend print of the Daying the test Coloned Landbergh was accompanied by a Darrier the tone both planes performed perfectly; there the France and there in all kinds of weather, bestedness dark-

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Reports Air Travel Increase A COURDING TO a proof received from the Ven Bit

Fokker Special Universal is Powered With a Wasp Engine THE ATLANTIC Amends Corp. recently considered a Ful-

Nauraber 1, 1921 Necessia 2 to

> her Sound Universal powered with a Pract & Whitney The regent monoplane was built for William O Danner of Fort Worth, Ten., to replace his former Fak-



Fast occurs over at the Fulder Special Universal powered The Special Universal has a high speed of 140 map has with abial disposal load of 1695 in or 1,000 in pay load. The

Dog at use level 1,250 ep.es Vegin and look; With less looks The therive (76 gpf.) Phil Operage 1956 guild

00 (0 p c) Police 465 To Air Associates, Inc., Opens New Show Room and Service Bureau

AS A norm of readming service to the accomplised rates

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Kirkham Racer Ready All Arianno pare to prom word in received that Live.

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THE ROLLOWING notice has been married by Arreview

"When the Rebriach Works should schoolly devote to ac-

Establishes Aviation School

of other smakes satherders. The contraction is given in

given on its building at 3720 Woodward Ave. Detroit. The



November 7, 300

A Triple-A Airport THE TERM "surport", secretary to the Air Conserver he

Landing fields excevent a triple "A" sating must last, it where is the facilities proper in the house management. raving and deporting acroads; here at least \$300 to of an with the littlest night flying furthflow backstons on court bravan, brandery Fride, flood lights, signal Holds, orbot

N.A.A. Changes Address THE NATIONAL Associates Assessables of U. F. 1-12-

Managher 7, 2027 SKF AVIATION

There Are No Service Stations in the Air -5KF Bearings Get You There and Back

"N TOTHING is not to cost so much as a bearing that muts so little" is a statement of transmilous import when of the Prost & Whitney "Waso" 201219 Anti-Friction Bearings were chosen, after

ESSF Anti-Friction Bearings possess not only smooth running qualities and long-life under high speeds but what is even erester - dependability. This has been proven again and again in the crucible of actual service on aircraft motors, not only in history-making flights but also on daily commercial schedules

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Commercial Transport Plane
THE ADMINIST Figurage Transport Plane
THE ADMINIST Figurage Transport
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Calon Floor Ann of IT Sq. Ft.

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To Teach Advanced Flying

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WACO Made the Most Exceptional Record of any Ship in the Field At Spokane Races

Final figures show that WACO took six places, including first in the New York-Spokane Class B Race

The popularity that WACO has had among the air-wise is now even greater than before — its achievements recorded in Spakane are a great tribute to the engineers who have built into it

the experience of their ten years of airplane construction. The WACO ships which made the most exceptional record of any on the field were strictly stock models—not built conceilly for

Our distributor organization stretching auto every part of the construct or writing to show the WACO part of the construct or writing to show the WACO TREE CONSTRUCTION OF THE CONSTRUCTI



MANUFACTURED BY ADVANCE AIRCRAFT CO., TROY, OHIO

Nanember 7, 1909

San Antonio Drug Co. Purchases Plane for Emergency Deliveries

A STRIKING Chadratan or our of the many men to which



Mrs. Eliott-Lynn Pilots Avro

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